

FIG 1

The diagram illustrates a control system with two feedback loops. The top loop consists of a forward path with blocks K_A and P_H , and a feedback path with block M_S1 . The bottom loop consists of a forward path with block K_A and a feedback path with block M_S2 . The output of the top loop is compared with the output of the bottom loop. The diagram shows the system response to a step change in the reference input, with waveforms labeled M_S1 , M_S1' , M_S2 , and M_S2' .

FIG 3

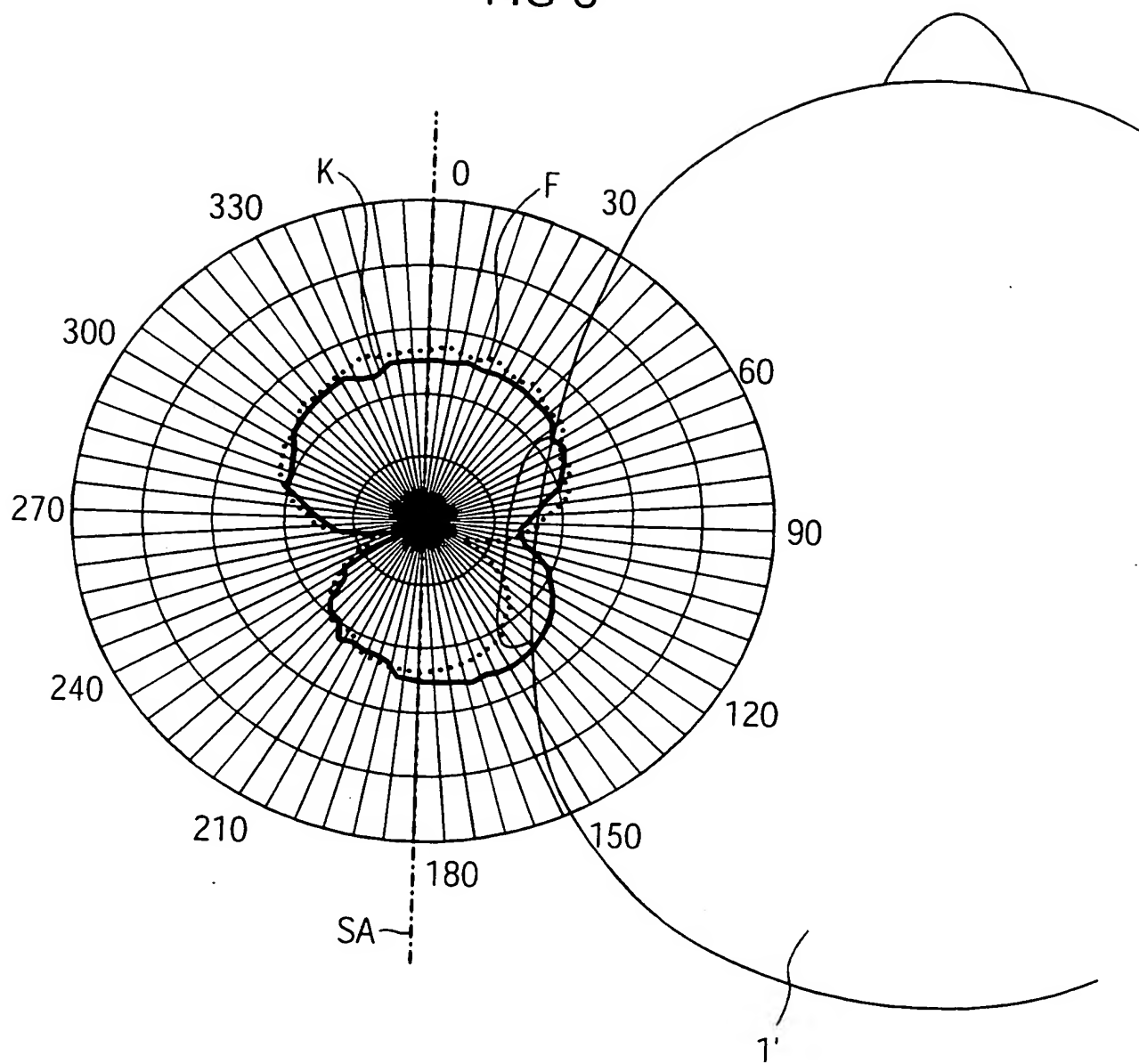


FIG 4

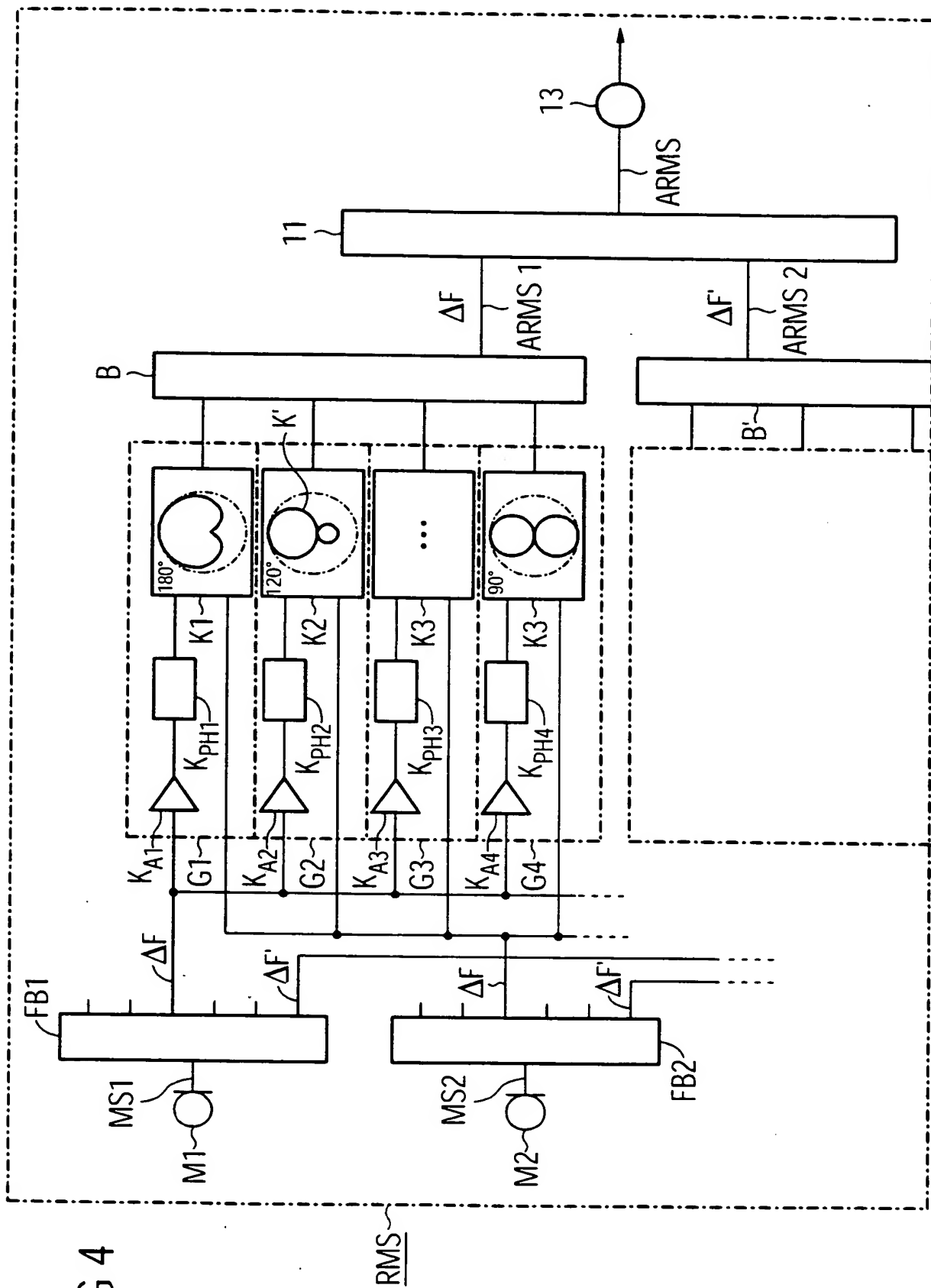
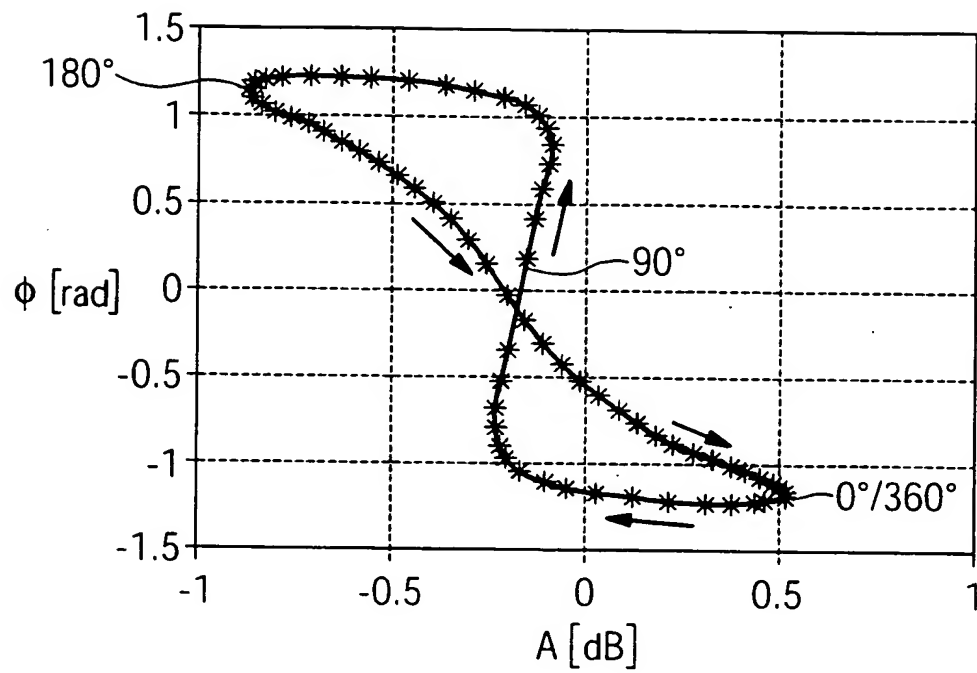


FIG 5



$A'[\text{dB}]$

FIG 6

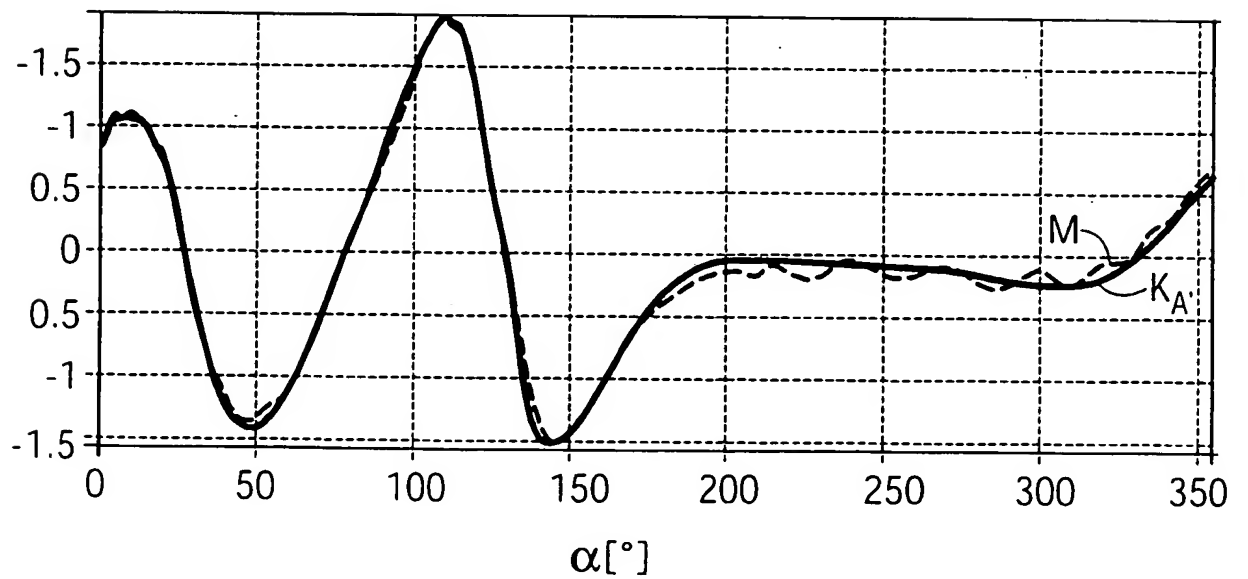


FIG 7

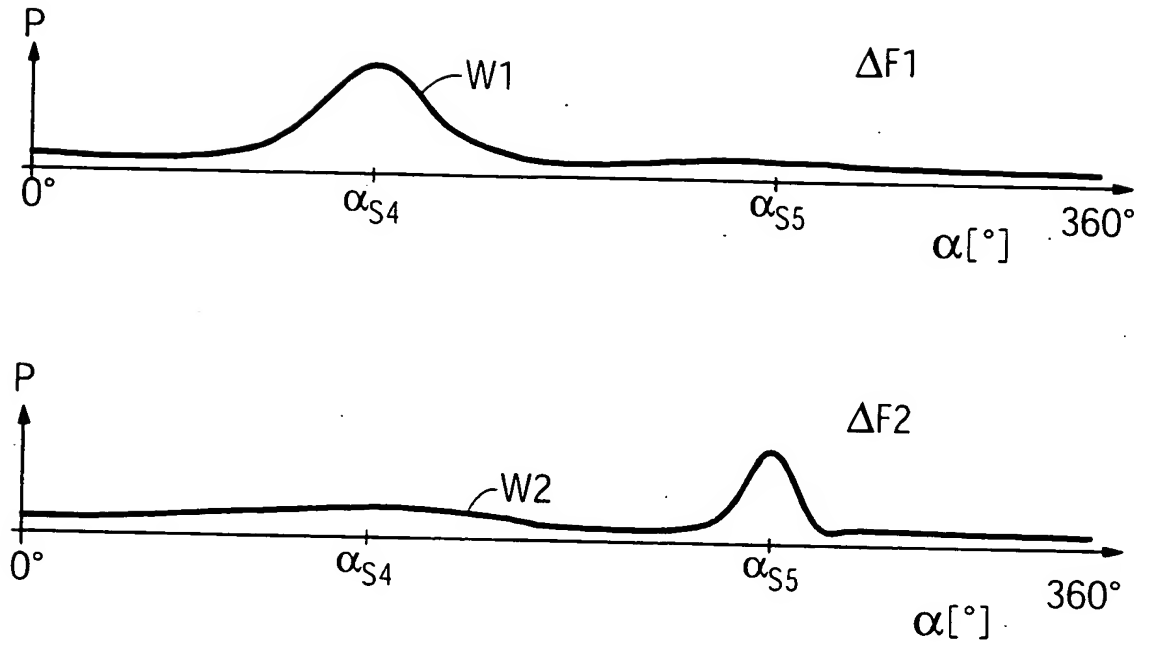


FIG 8

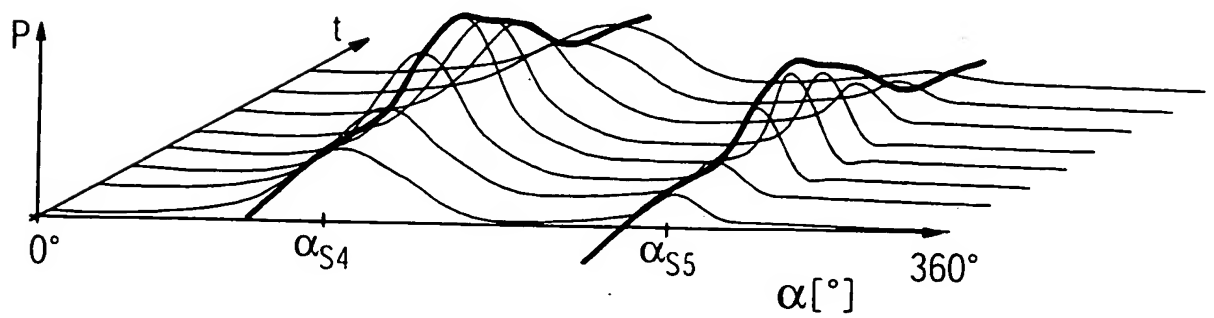


FIG 9

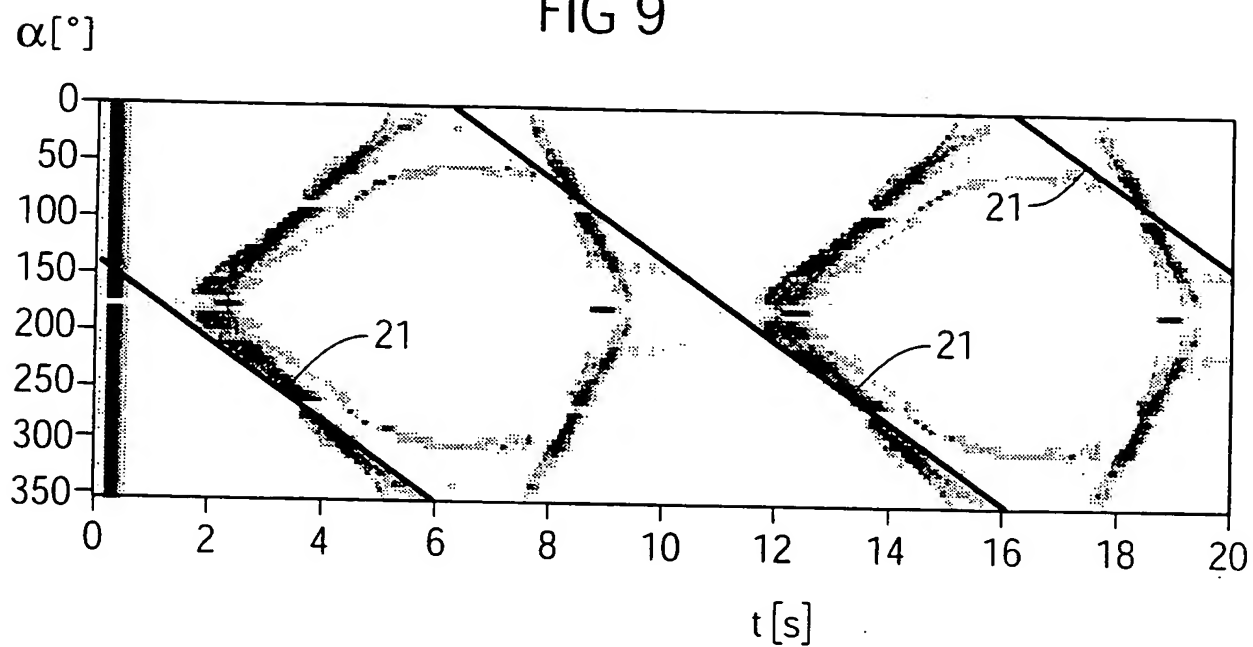


FIG 10

